

Result No.	Query	Score	Match Length	DB ID	Description
1	Arabidopsis thaliana	1964	100	0	AAD05776
2	Nucleotide sequence	915.8	46	6	GenCore version 4.5
3	Copyright (c) 1993 - 2000 Compugen Ltd.	879.4	44	8	NAF25180
4	OM nucleic - nucleic search, using sw model	877.8	44	7	Maize 1al genomic
Run on:	May 11, 2002, 15:35:44 ; Search time 202.07 Seconds (without alignments)	14	403	20	Maize Rht clone C1
Title:	US-09-911-513-1	15	381.8	19	Wheat Rht clone C1
Perfect score:	1954	15	381.8	19	Wheat Rht clone 5a
Sequence:	1 taataatccatttttttctt.....tctaaattactcacactggc 1964	16	334	17	Consensus cDNA seq
Scoring table:	IDENTITY_NUC	17	334	17	Composite DNA sequ
	Gapop 10.0 , Gapext 1.0	c	18	333.4	Arabidopsis SCL ES
Searched:	1736436 seqs, 858457221 residues	c	19	333.4	Arabidopsis SCL ES
Total number of hits satisfying chosen parameters:	3472872	20	298	15	Arabidopsis SCL ES
Minimum DB seq length:	0	21	191	9	Arabidopsis SCL ES
Maximum DB seq length:	2000000000	22	184.2	9	Eucalyptus grandis
Post-processing:	Minimum Match 0%	23	184.2	9	Eucalyptus grandis
	Maximum Match 100%	c	24	175.8	Arabidopsis SCL ES
	Listing first 45 summaries	25	158.6	8	Pinus radiata trani
		26	133.6	6	Tomato ls cDNA, L
		27	116	5	Arabidopsis SCAREC
		28	116	5	Arabidopsis SCLa4
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RESULTS
AAD06661 ID AAD06661 standard; cDNA; 1764 BP.

XX

AC XX

DT 10-AUG-2001 (first entry)

XX DEATHS AND TRANSCONTINENTAL FLIGHTS

הנִזְמָן לַעֲשׂוֹת כְּלֵבֶת בְּרִית מִצְרַיִם

KW Plant transcription factor; phenotypic variation

KW transgenic plant; plant yield; respiratory glyoxylate metabolism

KW cell cycle regulation; pigmentatio

Storage organ; metabolism; ss.

OS *Arabidopsis thaliana*.

XXVII

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/*tag= a
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/product = "transcript"

PN WO200135725-A1.

xxii 25 מאי 2001

XIX 21

PF 14 - NOV - 2000; 2000WO-US31414.

XX BB 13-NOW-1988: 98WS-0166338

PR 17-APR-2000; 2000US-0197899.

PR 22-AUG-2000; 2000US-0227439.

PA (MEND-) MENDEL BIOTECHNOLOGY TNC

PA (JIAN/) JIANG C.

PA (HEAR) HEARD J.

THEORY / THERAPY

dy	1415	aaccataatagtcgcgtttcttagtcgggttacttagcgttgttacttactcgacg	1474
db	1383	aatctaaacggtcgcgtttcttagacccgtttaacgaaatccatattatcgacg	1442
dy	1475	tgttgtactcggttgaaagggttacccgtgttcaagacaaaggatcgaggatcc	1534
db	1443	tgttgtatccctgttggaaagggtcccgatgtccaaatgttttgtcgaaatttat	1502
dy	1535	tgggttaaacagatctgcacgttgcgtgtgtatggaccgttgcgttcgtcat	1594
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db	1683	tatcggtggaaagataatgggtttatgtgtggcatacgccgtcata	1742
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db	1743	accacccgcgttggggagcttc	1765

RESULT 13
AAX36280 standard; DNA; 2255 BP.
XXX

AX	AAA3636U;
DT	16-JUL-1999 (first entry)
XX	Maize lal genomic clone sequence.
XX	Rht gene; homologue; Triticum aes
XX	antagonist; gibberellin; dwarf ph
KW	paeobutrazol; maize; ss.
KW	
KW	
KW	

zea mays.
WO9909174-A1

PD 25 - FEB - 1999.
XX
PF 07 - AUG - 1998;
XX

PR 13-AUG-1997; 97GB-0017192.
XX
PA (PLAN-) PLANT BIOSCIENCE LTD.
PA
XX

1 Harberd NP, Peng J, Richards DE;
XX DR WPI; 1999-181040/15.

XX New *Triticum aestivum* polynucleotides - encode a polypeptide which provides inhibition of the growth of plants, which inhibition is antagonised by gibberellin, used to confer a dwarf phenotype
XX Disclosure: Fig 9a; 88pp; English.

XX The specification describes polypeptides encoded by the Rht gene (and its homologues) that, when expressed in *Triticum aestivum*, inhibit growth of the plant. This growth inhibition is antagonised by gibberellin. The products can be used to provide Rht expression in plants, conferring a dwarf phenotype on a plant which is correctable by treatment with gibberellin. In addition, the products can be used to produce Rht mutant plants which are dwarf compared with wild type plants.

wild-type, the dwarfing being gibberellin-insensitive. Taller plants may be made by knocking out Rht or the relevant homologous gene in the plant of interest. Plants may be made which are resistant to compounds which inhibit gibberellin biosynthesis, such as paclobutrazol e.g. to allow use of a gibberellin biosynthesis inhibitor to keep weeds dwarf but let crop plants grow tall. The present sequence represents the maize 1a1 genomic clone sequence.

Sequence 2255 RD: 334 A: 817 C: 737 G: 367 T: 0 Other:

Search completed: May 11, 2002, 16:40:43
Job time: 3899 sec

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